

A. Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-16 (cancelled).

17(Currently Amended). A screen printable formulation comprising metallic fillers with domain size less than 250 nanometers and an aspect ratio greater than one.

18(Currently Amended). The screen printable formulation of claim 17 wherein the fillers are nanowhiskers.

19(Currently Amended). The screen printable formulation of claim 17 wherein the fillers are fibers.

20(Currently Amended). The screen printable formulation of claim 17 wherein the fillers are plates.

21(Currently Amended). The screen printable formulation of claim 17 wherein the screen printable formulation is an ink.

22(Currently Amended). The screen printable formulation of claim 17 wherein the screen printable formulation is a paste.

23(Currently Amended). The screen printable formulation of claim 17 wherein the fillers comprise an element selected from the group consisting of aluminum, barium, bismuth, cadmium, calcium, cerium, cesium, cobalt, copper, europium, gallium, indium, iron, lanthanum, lithium, magnesium, manganese, molybdenum, neodymium, nickel, niobium, potassium, praseodymium, scandium, sodium, strontium, tantalum, tin, titanium, tungsten, vanadium, ytterbium, yttrium, zinc, and zirconium.

24(Currently Amended). A screen printable formulation comprising ceramic nanofillers with domain size less than 100 nanometers.

25(Currently Amended). The screen printable formulation of claim 24 wherein the fillers are nanowhiskers.

26(Currently Amended). The screen printable formulation of claim 24 wherein the fillers are fibers.

27(Currently Amended). The screen printable formulation of claim 24 wherein the fillers are plates.

28(Currently Amended). The screen printable formulation of claim 24 wherein the screen printable formulation is an ink.

29(Currently Amended). The screen printable formulation of claim 24 wherein the screen printable formulation is a paste.

30(Currently Amended). The screen printable formulation of claim 24 wherein the fillers comprise an element selected from the group consisting of aluminum, barium, bismuth, cadmium, calcium, cerium, cesium, cobalt, copper, europium, gallium, gold, indium, iron, lanthanum, lithium, magnesium, manganese, molybdenum, neodymium, nickel, niobium, palladium, platinum, potassium, praseodymium, scandium, silver, sodium, strontium, tantalum, tin, titanium, tungsten, vanadium, ytterbium, yttrium, zinc, and zirconium.

31(Currently Amended). The screen printable formulation of claim 24 wherein the filler comprises at least one element from the group consisting of aluminum, antimony, boron, carbon, germanium, indium, nickel, nitrogen, oxygen, phosphorus, selenium, silicon, sulfur, or tellurium.

32(Currently Amended). A screen printable formulation comprising nanofillers with domain size less than 250 nanometers and the nanofillers comprise copper.

33(Currently Amended). A screen printable formulation comprising nanofillers with domain size less than 100 nanometers and the nanofillers comprise copper.

34(Currently Amended). A product manufactured using the screen printable formulation of claim 17.

35(Currently Amended). A print manufactured using the screen printable formulation of claim 17.

36(Currently Amended). A product manufactured using the screen printable formulation of claim 24.

37(Currently Amended). A print manufactured using the screen printable formulation of claim 24.

38(Currently Amended). A product manufactured using the screen printable formulation of claim 32.

39(Currently Amended). A print manufactured using the screen printable formulation of claim 32.

40(Currently Amended). A product manufactured using the screen printable formulation of claim 33.

41(Currently Amended). A print manufactured using the screen printable formulation of claim 33.